FIG. 1

FIG. 2

ABSTRACT LINK
DESCRIPTION FILE ~54

↑
READ AN ABSTRACT LINK

ABSTRACT LINK
EVALUATION PROGRAM ~51

RETRIEVE DOCUMENT
INFORMATION

RETRIEVE DOCUMENT
INFORMATION

GENERATE A LINK

LINK SOURCE
FILE

21

LINKING DESITINATION
FILE

22

FIG. 3

START

S1 — ABSTRACT LINK DESCRIPTION FILE IS
READ AND ABSTRACT LINK IS EXTRACTED

S2 — ABSTRACT LINK EVALUATION
PROGRAM IS EXECUTED

S3 — DOCUMENT LINK IS DEFINED
ON THE BASIS OF THE POWER
SET OF THE LINKING DESTINATION
AND THE LINK SOURCE DOCUMENT
ELEMENT SETS

S4 — ARE THE ABSTRACT
LINKS PLURAL?

YES

NO

END

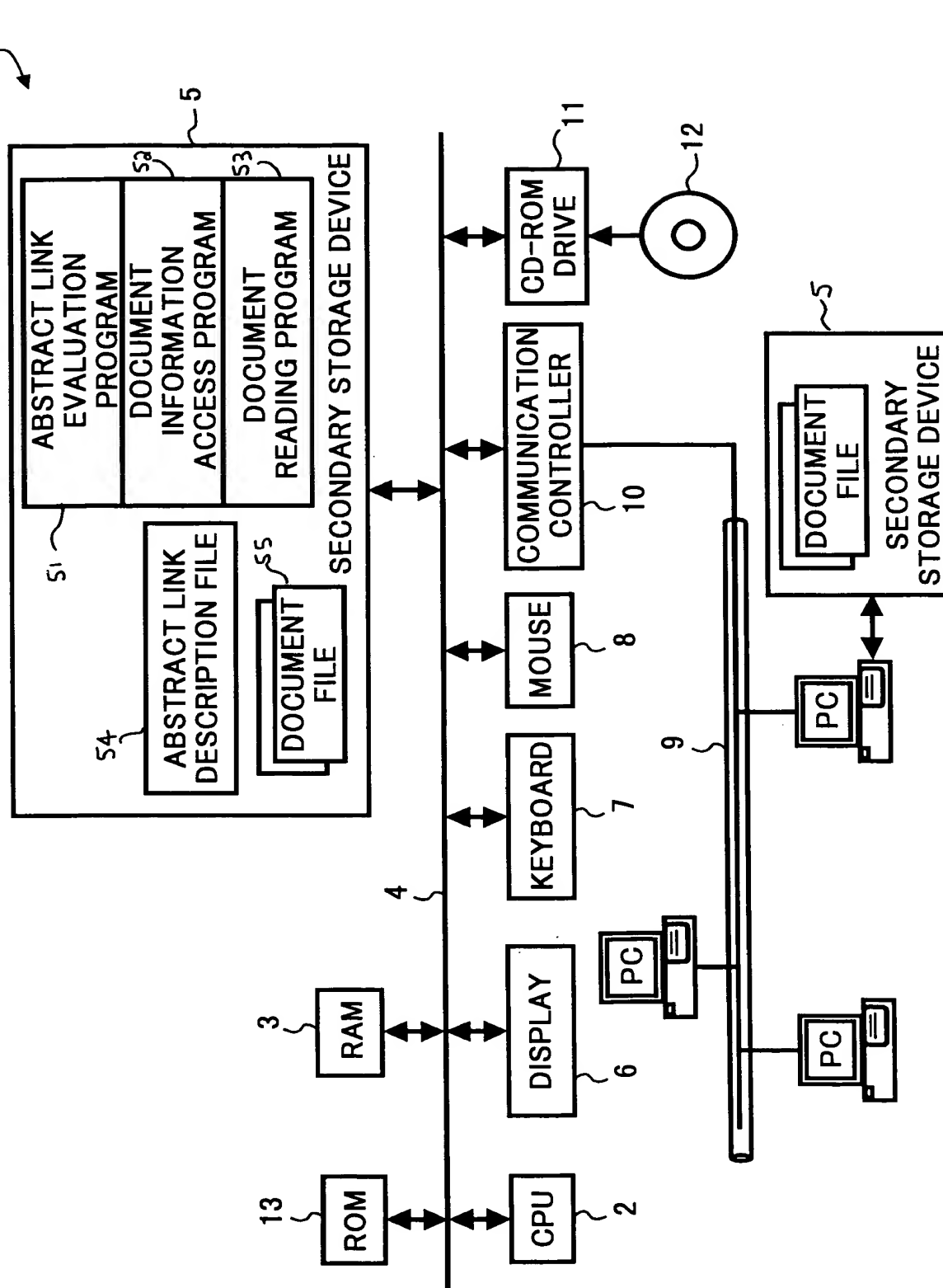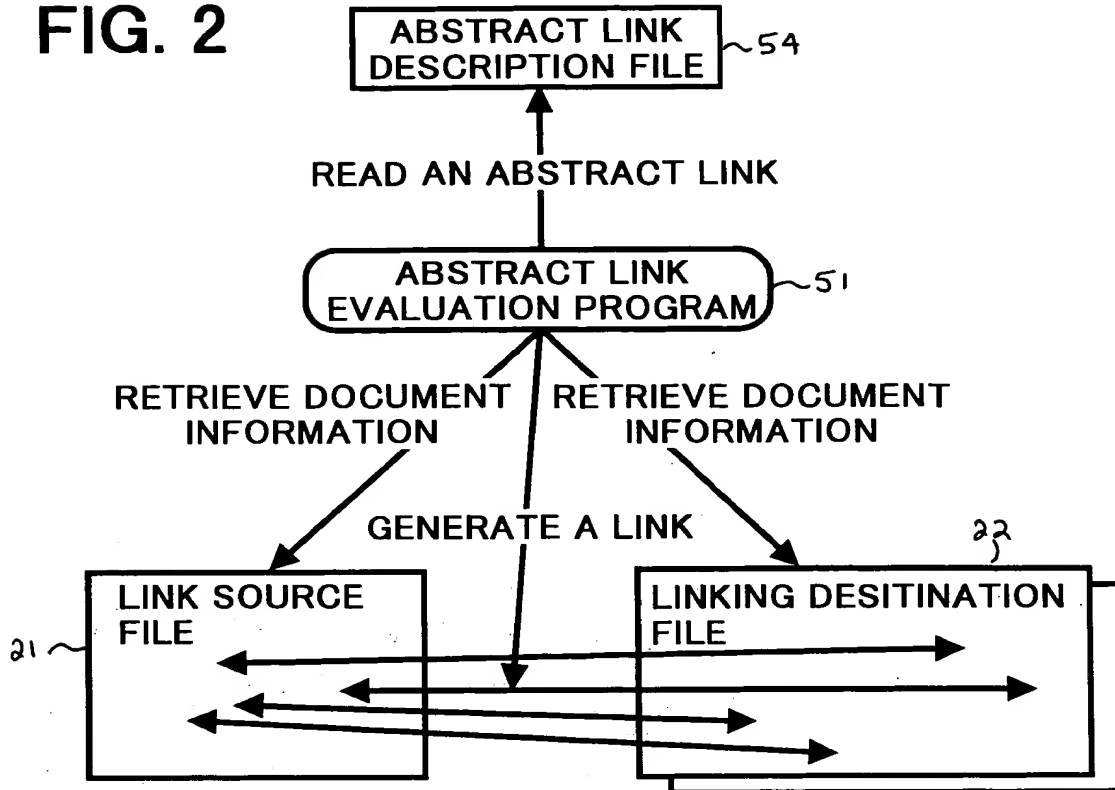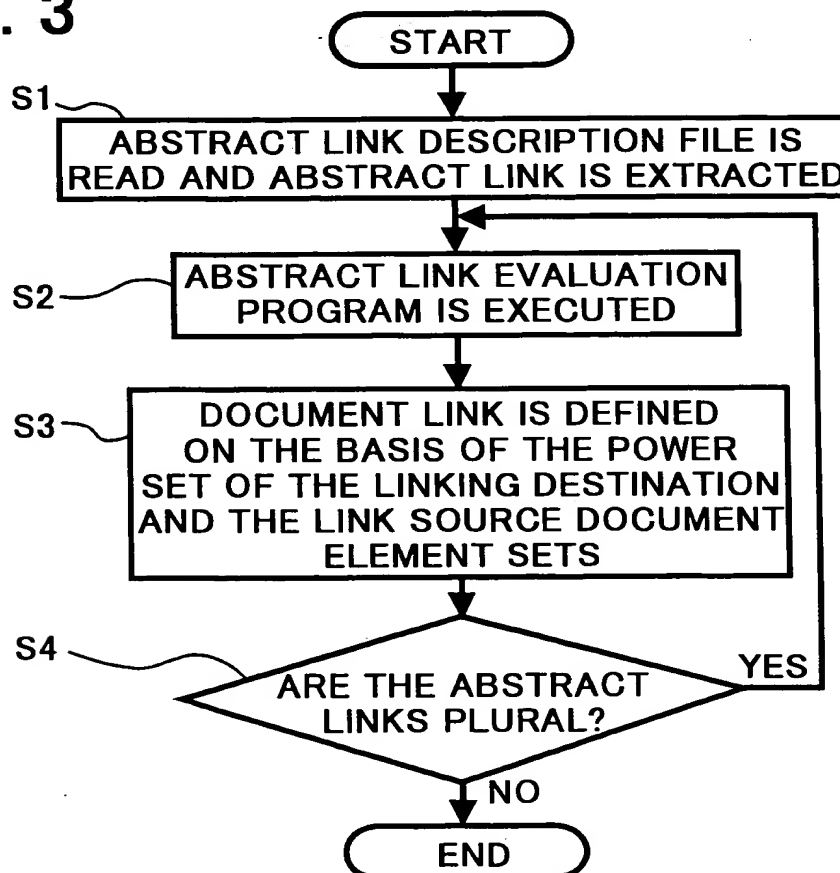# FIG. 4

```
<AbstractLink Role=term explanation>
<link establishing condition>
  link source element ($y)←
    Document ($x)∧DocumentLocation ($x,"./")∧Document-
    Name ($x,"invention application document.txt")∧
    DocumentElement ($x,$y)∧DocumentElementName
    ($y,"keyword")∧
    DocumentElementAttribute ($y," name",$keyword)
  link destination element ($b)←
    Document ($a)∧DocumentLocation ($a,"../doc/")∧Document-
    Name ($a," term dictionary.txt")∧DocumentElement ($a, $y)
    ∧DocumentElementName ($b," term item")∧DocumentElement
    Attribute ($b," term name",$keyword)
</link establishing condition>
</AbstractLink>
```
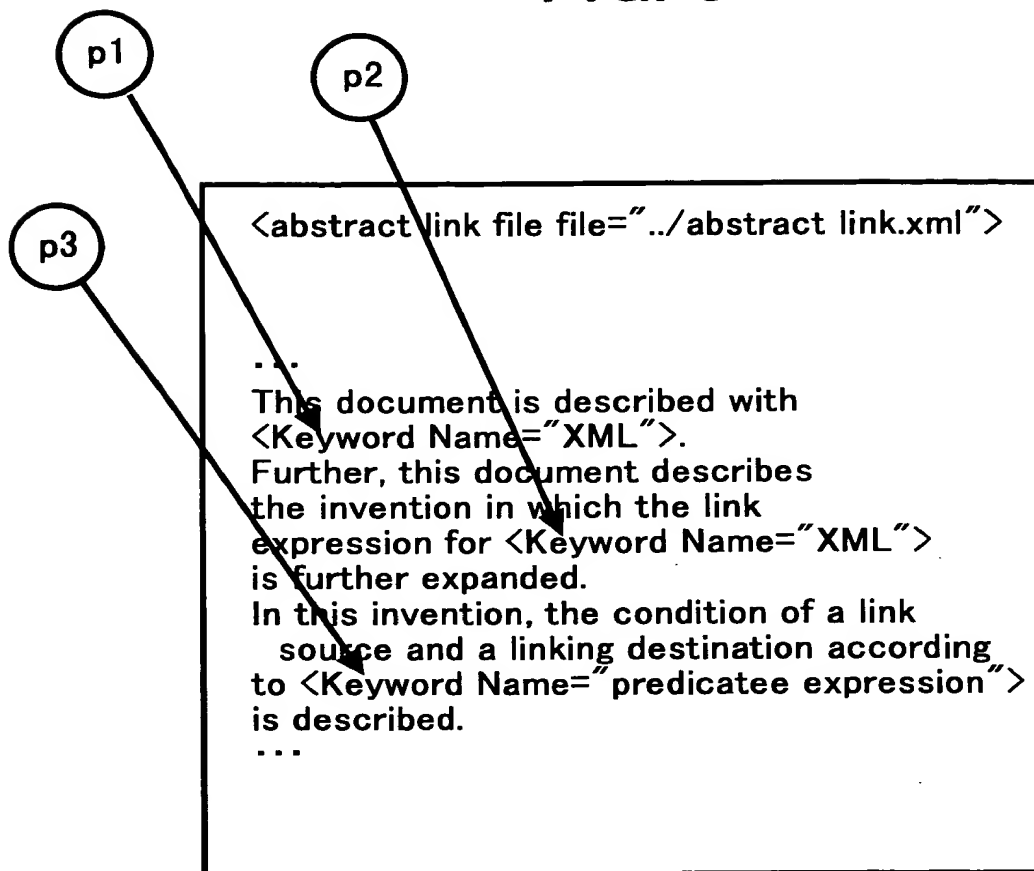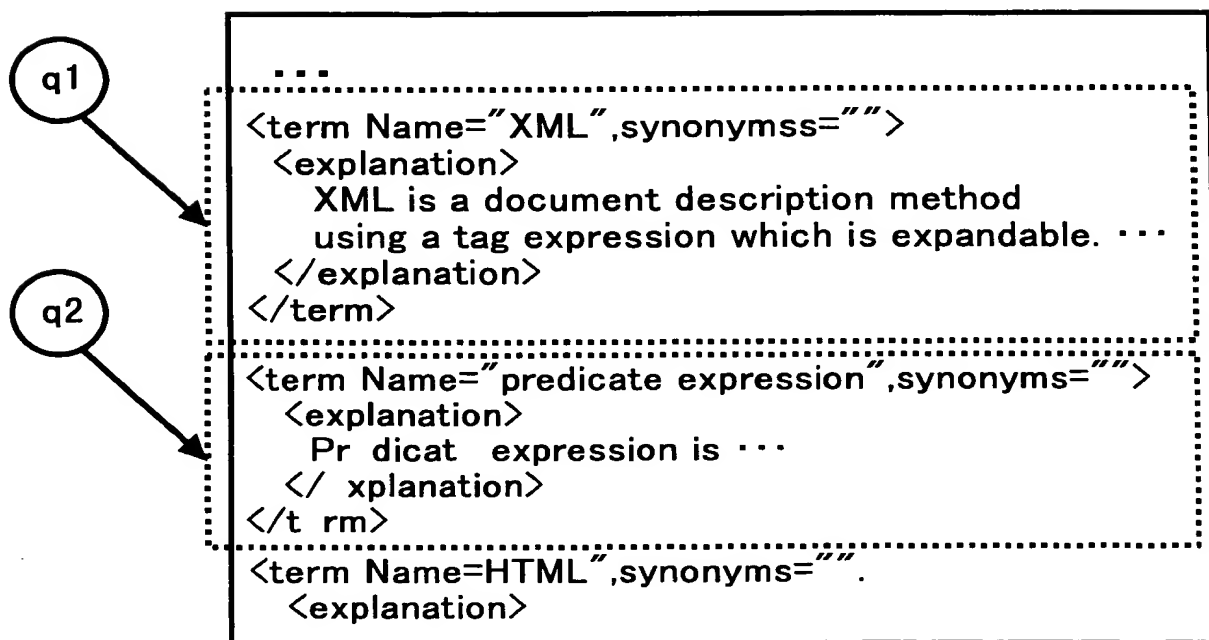
FIG. 5

p1

p2

p3

...

This document is described with
<Keyword Name="XML">.
Further, this document describes
the invention in which the link
expression for <Keyword Name="XML">
is further expanded.
In this invention, the condition of a link
  source and a linking destination according
to <Keyword Name="predicatee expression">
is described.
...

FIG. 6

q1

q2

...

<term Name="XML",synonymss="">
  <explanation>
    XML is a document description method
    using a tag expression which is expandable. ···
  </explanation>
</term>

<term Name="predicate expression",synonyms="">
  <explanation>
    Pr dicat expression is ···
  </ xplanation>
</t rm>

<term Name=HTML",synonyms="".
  <explanation>